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(54) Integrated circuit processor

(57) An integrated circuit chip includes a processor and a number of interface logic circuits connected to the processor. The interface logic circuits are implemented by means of field-programmable logic within the chip, so that the chip can readily be reconfigured e.g. to implement a number of different designs of peripheral controller. The processor may be implemented in custom logic, or alternatively may also be implemented by means of the field-programmable logic within the chip. The chip may also include RAM and ROM for use by the processor.

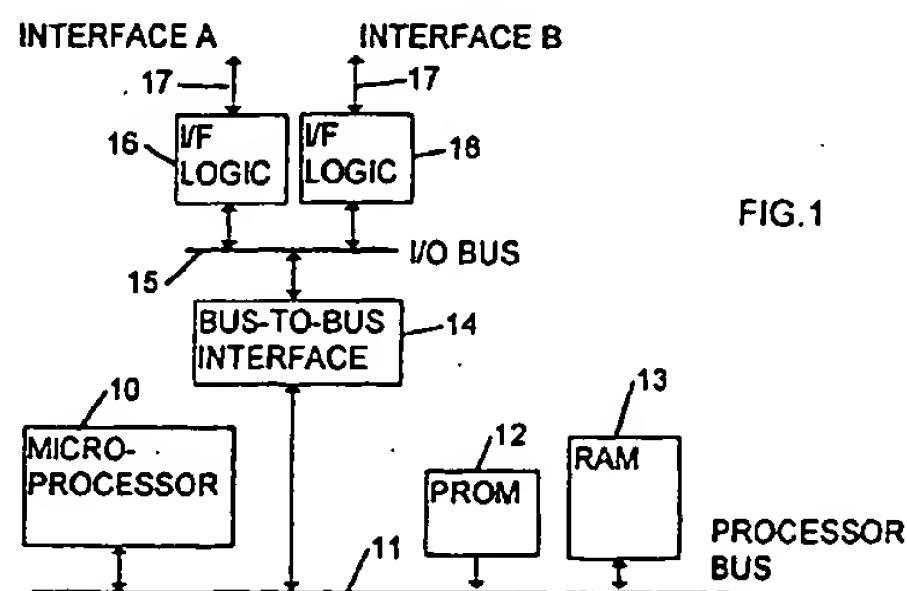


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 1448

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X A	EP 0 419 105 A (TEXAS INSTRUMENTS INC) 27 March 1991 (1991-03-27) * column 2, line 44 - column 5, line 11; figure 1 * ---	1,4-6,9, 10 2,3,7,8	G06F13/12 G06F13/38 G06F15/78
X A	EP 0 567 790 A (MOTOROLA INC) 3 November 1993 (1993-11-03) * page 2, line 46 - page 6, line 11; figure 1 * ---	1,4 2,3,5-10	
A	"CUSTOM LOGIC GIVES PCI PERIPHERAL CARDS INTEROPERABILITY" COMPUTER DESIGN,US,PENNWELL PUBL. LITTLETON, MASSACHUSETTS, vol. 34, no. 9, page 32,34,36-37 XP000528906 ISSN: 0010-4566 * the whole document * ---	3.8	
A	US 5 142 625 A (NAKAI MASAOKI) 25 August 1992 (1992-08-25) * the whole document * ---	1,6	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G06F
A	WOODWARD D R ET AL: "AN FPGA BASED CONFIGURABLE I/O SYSTEM FOR AC DRIVE CONTROLLERS" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMPUTER DESIGN: VLSI IN COMPUTERS AND PROCESSORS,US,LOS ALAMITOS, IEEE COMP. SOC. PRESS, page 424-427 XP000488926 ISBN: 0-8186-6567-X * the whole document * -----	1-10	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 January 2000	Examiner Michel, T
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/82 (P-04/C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 97 30 1448

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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10-01-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0419105 A	27-03-1991	DE 69031257 D	18-09-1997
		DE 69031257 T	12-02-1998
		JP 3214370 A	19-09-1991
		US 5802270 A	01-09-1998
EP 0567790 A	03-11-1993	US 5347181 A	13-09-1994
		DE 69325205 D	15-07-1999
		JP 6089990 A	29-03-1994
		US 5304860 A	19-04-1994
US 5142625 A	25-08-1992	JP 61285545 A	16-12-1986
		JP 61285567 A	16-12-1986
		JP 61285546 A	16-12-1986
		JP 61285547 A	16-12-1986
		JP 61285568 A	16-12-1986

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82